

CLAIMS:

1. A safety electrical outlet for receiving metallic prongs of an electrical plug, comprising:
 - a housing having at least two plug passages being sized for receiving the metallic prongs of the electrical plug;
 - 5 at least two metallic connectors mounted on the housing for connection to an electrical power source;
 - 10 at least two transverse channels, each channel having an opening communicating with the corresponding plug passage and extending toward the corresponding metallic connector; and
 - 15 at least two spring-biased members having a top end and a bottom end, each spring-biased member being inserted in each corresponding transverse channel and being movable between an extended position where the first end of the spring-biased member partially extends within the corresponding plug passage and the second end is spaced apart from the metallic connector and a retracted position where the corresponding metallic prong that is inserted inside the passage pushes against the top end of the spring-biased member so that the second end of the spring-biased member touches the corresponding metallic connector for establishing an electrical contact between the metallic prong and the corresponding metallic connector.
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2. The safety electrical outlet according to claim 1, wherein each channel has a first and second abutment portions spaced apart from each other for receiving each spring-biased member and wherein each spring-biased member comprises:
 - 25 a metal ball for abutting against the first abutment portion of the channel;
 - 30 a hollow rod having first and second openings and inner and outer abutment portions, the metal ball abutting against the first opening of the hollow rod;

a metal pin inserted inside the rod, the pin having an enlarged head portion for abutting against the inner abutment of the rod and a tip portion sized to extend through the second opening of the rod;

5 an inner spring inserted inside the hollow rod, the inner spring having a first end for contacting the ball and a second end for contacting the head portion of the pin; and

an outer spring coiled around the rod, the outer spring having a first end for abutting against the outer abutment portion of the rod and a second end for abutting against the second abutment portion of the channel.

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3. The safety electrical outlet according to claim 1, wherein each transverse channel extends perpendicularly with respect to the corresponding plug passage and is located on a rear part thereof.

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4. The safety electrical outlet according to claim 1, wherein the housing has a front face and a back face, and wherein the outlet comprises a cover connected to the front face of the housing and the metallic connectors are located on the back face of the housing.

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5. The safety electrical outlet according to claim 1, wherein the electric power source comprises a connector circuit having at least two passages for receiving the metallic connectors.

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6. The safety electrical outlet according to claim 1, comprising four plug passages, four corresponding transverse channels and four spring-biased members.